

HP Docket No. 10003333-1

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method of communicating with ~~an unknown~~ mail server associated with an on-line provider, comprising:
~~determining whether a machine-selected one of a plurality of mail server names corresponds to a mail server associated with an on-line provider~~
providing an e-mail address for the on-line provider, the e-mail address including a suffix indicative of a domain identifier;
converting the e-mail address to a machine-selected mail server name by prepending a selected one of a predetermined set of mail server prefixes to the suffix to form the machine-selected mail server name;
linking to a mail port of a computer having the machine-selected mail server name so as to determine whether the machine-selected mail server name corresponds to the mail server; and
~~communicating with the mail server associated with the on-line provider when the machine-selected one of a plurality of mail server name[[s]] corresponds to the mail server.~~

2-3. (Canceled)

4. (Currently amended) The method of claim 1[[3]],
wherein the e-mail address includes a first prefix portion and a first separator portion,
and
wherein the converting includes
stripping the first prefix portion and the first separator portion from the e-mail address, and
appending a second separator different from the first separator to the selected one of a

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predetermined set of mail server prefixes so as to form the mail server name associated with the on-line provider.

5-6. (Canceled)

7. (Currently amended) The method of claim 1[[3]], further including:
if validity of the mail server name is not verified, repeating the prepending and linking using a different one of the predetermined set of mail server prefixes.

8. (Original) The method of claim 4, wherein:
the suffix is a domain identifier,
the first prefix is a mailbox identifier,
the first separator is an "@" symbol,
the second prefix is a mail server prefix, and
the second separator is a "." symbol.

9. (Currently amended) The method of claim 1[[2]], wherein the linking includes:
communicating with a domain name server to determine a mail server IP address corresponding to the mail server name; and
connecting to the mail port of the mail server IP address.

10. (Original) The method of claim 1, wherein the on-line provider is a user-selected one of a plurality of on-line providers.

11. (Original) The method of claim 1, wherein the communicating with the mail server includes:
establishing at least one communications link from a group of communication links including an analog telephone line, a broadband link, a local area network, a radio frequency link, and an infrared link.

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12. (Currently amended) The method of claim 1[[3]], wherein the suffix ~~portion~~ includes at least two domain levels and a separator between each of the at least two domain levels, and wherein the converting further includes

stripping a left-most domain level and a left-most separator from the suffix ~~portion~~ prior to the prepending if the suffix ~~portion~~ includes more than two domain levels.

13. (Currently amended) A system for e-mailing information to a recipient over the Internet, comprising:

an electronic device adapted for periodic connection to an Internet service provider and to a configuration computer, the electronic device having

a parameter memory,

a storage subsystem coupled to the parameter memory and responsive to a command from the configuration computer for storing configuration parameters in the parameter memory, the configuration parameters including a mail server name associated with the Internet service provider, and

an e-mail subsystem coupled to the parameter memory and responsive to a user request to connect to an e-mail server of the Internet service provider using [[a]]the mail server name and to e-mail the information to the recipient; and

a configuration program executable by the configuration computer to determine the mail server name from the user's e-mail address, the configuration program including a parser to isolate a suffix indicative of a domain identifier from an e-mail address associated with the e-mail server, and a concatenator to prepend one of a predefined set of mail server prefixes to the suffix to form the mail server name.

14. (Canceled)

15. (Original) The system of claim 13, wherein the electronic device has an interface selected from the group consisting of a dialup modem, a digital subscriber line modem, a

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cable modem, a network interface, an infrared transceiver, and a radio frequency transceiver, the interface adapted to connect the device to the Internet service provider.

16. (Original) The system of claim 13, wherein the configuration program further determines a maximum e-mail message size supported by the e-mail server

17. (Original) The system of claim 16, wherein the e-mail subsystem further splits the information into one or more e-mail messages, each e-mail message having a size of not more than the maximum e-mail message size.

18. (Currently amended) A program storage medium readable by a computing apparatus, tangibly embodying a program of instructions executable by the computing apparatus for configuring an electronic device to send e-mail via a mail server of an on-line access provider, the program storage medium comprising:

a first segment of the instructions configured to convert an e-mail address for a user of the on-line access provider to a mail server name by prepending a selected one of a predetermined set of mail server prefixes to a suffix portion of the e-mail address to form the mail server name;

a second segment of the instructions configured to connect to the mail server using ~~access information~~ the mail server name so as to verify validity of the mail server name; and

a third segment of the instructions configured to download the mail server name ~~and a predetermined portion of the access information~~ to the electronic device.

19. (Canceled)

20. (Currently amended) The program storage medium of claim 18, further comprising:

a fourth segment of the instructions configured to detect a change in ~~the access information~~ for the on-line access provider, and

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reconfigure the electronic device as required based on the change.

21. (Original) The program storage medium of claim 18, further comprising:
a fifth segment of the instructions configured to
receive data representing information to be sent to a specified recipient from the
electronic device,
connect to the mail server, and
using the mail server, transmit the information to the specified recipient as an e-mail
message.

22-29. (Canceled)

30. (Previously presented) The system of claim 13, wherein the electronic device is a
scanner.

31. (Previously presented) The system of claim 13, wherein the electronic device is a
multifunction peripheral including at least two devices selected from the group consisting of a
printer, a scanner, a copier, and a fax machine.

32. (Previously presented) The system of claim 13, wherein the Internet-enabled
device is a digital camera.

33. (Currently amended) The system of claim 13, wherein the configuration program
is further configured to query a domain name server so as to obtain an IP address associated
with the mail server name.

34-36. (Canceled)